**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3.1 Notes**

Response Variable-

Explanatory Variable-

Subjects-

Treatment-

Experiment vs. Observational Study (again):

**Example 1:** Go back to our activity 3.1 with the coin and the blindfold. Identify:

Subjects:

Treatment:

Explanatory Variable:

Response Variable:

Experiment or Obs. Study:

**Example 2:** I want to test out a new plant food. So I take 20 plants, and give half the new plant food and half no food at all. All of the plants get the same amount of water and sunlight each day. After 30 days, I measure the height that the plant has grown, and also how many flowers it has on it.

Subjects:

Treatment:

Explanatory Variable:

Response Variable:

Experiment or Obs. Study:

**Experimenting Badly**

Lurking variables-

Confounded variables:

**Example:** heart disease and wine consumption

**Example:** College grades and IQ score

**Example:** Attendance at class and grade on Ch. 1 test

Placebo-

*Example:*

Placebo Effect -

*Example:*